

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
 Data File : VU032816.D  
 Acq On : 18 Jun 2019 12:06  
 Operator : JC/SP  
 Sample : K3363-17  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JQ5

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.180       | 24            | 28          | 33           | rVB      | 7608           | 6505          | 0.58%           | 0.063%        |
| 2         | 1.396       | 88            | 95          | 107          | rVB      | 124750         | 126556        | 11.25%          | 1.233%        |
| 3         | 1.676       | 174           | 182         | 194          | rBV      | 96918          | 119197        | 10.60%          | 1.162%        |
| 4         | 2.267       | 355           | 366         | 376          | rBV      | 202532         | 303461        | 26.98%          | 2.957%        |
| 5         | 2.531       | 445           | 448         | 451          | rBV4     | 486            | 313           | 0.03%           | 0.003%        |
| 6         | 2.614       | 469           | 474         | 483          | rBV3     | 1430           | 2174          | 0.19%           | 0.021%        |
| 7         | 2.695       | 490           | 499         | 513          | rVB      | 7797           | 12439         | 1.11%           | 0.121%        |
| 8         | 2.843       | 542           | 545         | 549          | rVB2     | 518            | 350           | 0.03%           | 0.003%        |
| 9         | 2.868       | 549           | 553         | 557          | rVB2     | 519            | 433           | 0.04%           | 0.004%        |
| 10        | 2.897       | 558           | 562         | 564          | rBV2     | 304            | 219           | 0.02%           | 0.002%        |
| 11        | 2.981       | 584           | 588         | 594          | rVB4     | 874            | 884           | 0.08%           | 0.009%        |
| 12        | 3.180       | 646           | 650         | 652          | rBV      | 309            | 213           | 0.02%           | 0.002%        |
| 13        | 3.200       | 654           | 656         | 661          | rVV2     | 258            | 228           | 0.02%           | 0.002%        |
| 14        | 3.389       | 711           | 715         | 716          | rBV2     | 374            | 295           | 0.03%           | 0.003%        |
| 15        | 3.421       | 722           | 725         | 728          | rVB2     | 410            | 259           | 0.02%           | 0.003%        |
| 16        | 3.624       | 782           | 788         | 793          | rBV4     | 926            | 1276          | 0.11%           | 0.012%        |
| 17        | 3.923       | 877           | 881         | 883          | rBV      | 356            | 312           | 0.03%           | 0.003%        |
| 18        | 3.971       | 890           | 896         | 899          | rBV2     | 220            | 259           | 0.02%           | 0.003%        |
| 19        | 4.007       | 902           | 907         | 910          | rBV2     | 380            | 382           | 0.03%           | 0.004%        |
| 20        | 4.167       | 944           | 957         | 1003         | rVV2     | 85329          | 288057        | 25.61%          | 2.807%        |
| 21        | 4.360       | 1015          | 1017        | 1020         | rVB2     | 570            | 275           | 0.02%           | 0.003%        |
| 22        | 4.640       | 1087          | 1104        | 1129         | rBV      | 154442         | 363835        | 32.35%          | 3.546%        |
| 23        | 4.759       | 1139          | 1141        | 1147         | rVB3     | 419            | 376           | 0.03%           | 0.004%        |
| 24        | 4.804       | 1151          | 1155        | 1158         | rBV2     | 335            | 231           | 0.02%           | 0.002%        |
| 25        | 4.865       | 1171          | 1174        | 1176         | rBV2     | 533            | 367           | 0.03%           | 0.004%        |
| 26        | 4.888       | 1176          | 1181        | 1187         | rVB4     | 605            | 915           | 0.08%           | 0.009%        |
| 27        | 4.974       | 1202          | 1208        | 1212         | rVV3     | 483            | 503           | 0.04%           | 0.005%        |
| 28        | 5.158       | 1260          | 1265        | 1270         | rBV2     | 312            | 291           | 0.03%           | 0.003%        |
| 29        | 5.187       | 1270          | 1274        | 1278         | rBV2     | 306            | 365           | 0.03%           | 0.004%        |
| 30        | 5.228       | 1283          | 1287        | 1291         | rBV2     | 253            | 215           | 0.02%           | 0.002%        |
| 31        | 5.331       | 1296          | 1319        | 1345         | rBV2     | 312669         | 921353        | 81.91%          | 8.979%        |
| 32        | 5.550       | 1376          | 1387        | 1400         | rBV3     | 5385           | 11476         | 1.02%           | 0.112%        |
| 33        | 5.804       | 1463          | 1466        | 1469         | rBV      | 346            | 227           | 0.02%           | 0.002%        |
| 34        | 5.878       | 1476          | 1489        | 1511         | rBV      | 283647         | 559560        | 49.75%          | 5.453%        |

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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 6.029 | 1534 | 1536 | 1541 | rVB3 | 325    | 225     | 0.02%   | 0.002%  |
| 36 | 6.100 | 1555 | 1558 | 1564 | rVB3 | 426    | 432     | 0.04%   | 0.004%  |
| 37 | 6.180 | 1570 | 1583 | 1602 | rVV2 | 69587  | 136847  | 12.17%  | 1.334%  |
| 38 | 6.325 | 1614 | 1628 | 1649 | rBV  | 210056 | 420192  | 37.36%  | 4.095%  |
| 39 | 6.421 | 1650 | 1658 | 1682 | rVB2 | 6503   | 15040   | 1.34%   | 0.147%  |
| 40 | 6.531 | 1685 | 1692 | 1695 | rBV2 | 2395   | 3141    | 0.28%   | 0.031%  |
| 41 | 6.579 | 1701 | 1707 | 1713 | rBV  | 3484   | 4807    | 0.43%   | 0.047%  |
| 42 | 6.698 | 1732 | 1744 | 1775 | rBV  | 631788 | 1124846 | 100.00% | 10.962% |
| 43 | 6.965 | 1823 | 1827 | 1831 | rBV4 | 512    | 523     | 0.05%   | 0.005%  |
| 44 | 6.997 | 1833 | 1837 | 1838 | rBV3 | 333    | 225     | 0.02%   | 0.002%  |
| 45 | 7.222 | 1895 | 1907 | 1926 | rVV  | 109147 | 195315  | 17.36%  | 1.903%  |
| 46 | 7.286 | 1926 | 1927 | 1931 | rVB4 | 508    | 258     | 0.02%   | 0.003%  |
| 47 | 7.415 | 1950 | 1967 | 1992 | rBV  | 131860 | 232047  | 20.63%  | 2.261%  |
| 48 | 7.560 | 1999 | 2012 | 2029 | rBV  | 433860 | 747106  | 66.42%  | 7.281%  |
| 49 | 7.698 | 2049 | 2055 | 2066 | rVB7 | 1671   | 2833    | 0.25%   | 0.028%  |
| 50 | 7.752 | 2069 | 2072 | 2075 | rVB4 | 369    | 212     | 0.02%   | 0.002%  |
| 51 | 7.842 | 2089 | 2100 | 2116 | rBV  | 88335  | 152759  | 13.58%  | 1.489%  |
| 52 | 7.949 | 2130 | 2133 | 2137 | rVB2 | 439    | 395     | 0.04%   | 0.004%  |
| 53 | 8.013 | 2150 | 2153 | 2156 | rVB  | 346    | 224     | 0.02%   | 0.002%  |
| 54 | 8.032 | 2156 | 2159 | 2163 | rVB2 | 323    | 223     | 0.02%   | 0.002%  |
| 55 | 8.148 | 2183 | 2195 | 2209 | rBV2 | 67861  | 113732  | 10.11%  | 1.108%  |
| 56 | 8.225 | 2209 | 2219 | 2223 | rBV3 | 18824  | 28990   | 2.58%   | 0.283%  |
| 57 | 8.305 | 2234 | 2244 | 2265 | rVB  | 282080 | 472852  | 42.04%  | 4.608%  |
| 58 | 8.408 | 2266 | 2276 | 2300 | rVV  | 440323 | 692717  | 61.58%  | 6.751%  |
| 59 | 8.518 | 2303 | 2310 | 2327 | rVB  | 22566  | 39042   | 3.47%   | 0.380%  |
| 60 | 8.637 | 2343 | 2347 | 2350 | rBV3 | 383    | 354     | 0.03%   | 0.003%  |
| 61 | 8.691 | 2358 | 2364 | 2368 | rBV5 | 675    | 753     | 0.07%   | 0.007%  |
| 62 | 8.897 | 2415 | 2428 | 2460 | rBV  | 316759 | 501548  | 44.59%  | 4.888%  |
| 63 | 9.084 | 2469 | 2486 | 2518 | rBV  | 433036 | 722900  | 64.27%  | 7.045%  |
| 64 | 9.231 | 2528 | 2532 | 2537 | rVB5 | 505    | 389     | 0.03%   | 0.004%  |
| 65 | 9.260 | 2538 | 2541 | 2544 | rVV2 | 474    | 305     | 0.03%   | 0.003%  |
| 66 | 9.347 | 2565 | 2568 | 2571 | rBV2 | 409    | 327     | 0.03%   | 0.003%  |
| 67 | 9.370 | 2571 | 2575 | 2577 | rBV3 | 1280   | 1103    | 0.10%   | 0.011%  |
| 68 | 9.424 | 2589 | 2592 | 2595 | rBV2 | 432    | 284     | 0.03%   | 0.003%  |
| 69 | 9.453 | 2598 | 2601 | 2605 | rVV2 | 327    | 232     | 0.02%   | 0.002%  |
| 70 | 9.598 | 2638 | 2646 | 2659 | rBV2 | 3923   | 6300    | 0.56%   | 0.061%  |
| 71 | 9.707 | 2677 | 2680 | 2684 | rVB3 | 299    | 240     | 0.02%   | 0.002%  |

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 Start Thrs: 0.2  
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 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.762  | 2688 | 2697 | 2711 | rBV2 | 11240  | 20562  | 1.83%  | 0.200% |
| 73  | 9.981  | 2761 | 2765 | 2767 | rBV  | 345    | 248    | 0.02%  | 0.002% |
| 74  | 10.077 | 2791 | 2795 | 2799 | rBV2 | 441    | 490    | 0.04%  | 0.005% |
| 75  | 10.103 | 2800 | 2803 | 2807 | rVB3 | 399    | 331    | 0.03%  | 0.003% |
| 76  | 10.164 | 2819 | 2822 | 2829 | rVB3 | 561    | 560    | 0.05%  | 0.005% |
| 77  | 10.206 | 2832 | 2835 | 2840 | rVB3 | 394    | 326    | 0.03%  | 0.003% |
| 78  | 10.302 | 2861 | 2865 | 2868 | rBV3 | 281    | 278    | 0.02%  | 0.003% |
| 79  | 10.424 | 2890 | 2903 | 2922 | rBV  | 300661 | 481797 | 42.83% | 4.695% |
| 80  | 10.556 | 2941 | 2944 | 2947 | rBV2 | 369    | 317    | 0.03%  | 0.003% |
| 81  | 10.704 | 2987 | 2990 | 2994 | rVB  | 329    | 229    | 0.02%  | 0.002% |
| 82  | 10.727 | 2994 | 2997 | 3001 | rVB2 | 335    | 269    | 0.02%  | 0.003% |
| 83  | 10.762 | 3004 | 3008 | 3012 | rBV2 | 368    | 333    | 0.03%  | 0.003% |
| 84  | 10.968 | 3068 | 3072 | 3075 | rVV4 | 367    | 272    | 0.02%  | 0.003% |
| 85  | 11.267 | 3161 | 3165 | 3170 | rBV2 | 345    | 404    | 0.04%  | 0.004% |
| 86  | 11.479 | 3218 | 3231 | 3254 | rBV  | 437451 | 701644 | 62.38% | 6.838% |
| 87  | 11.707 | 3300 | 3302 | 3307 | rVB4 | 514    | 435    | 0.04%  | 0.004% |
| 88  | 11.855 | 3333 | 3348 | 3369 | rBV  | 427086 | 704179 | 62.60% | 6.862% |
| 89  | 12.206 | 3453 | 3457 | 3459 | rBV3 | 326    | 239    | 0.02%  | 0.002% |
| 90  | 12.273 | 3469 | 3478 | 3482 | rBV5 | 439    | 652    | 0.06%  | 0.006% |
| 91  | 12.292 | 3482 | 3484 | 3491 | rVB3 | 497    | 369    | 0.03%  | 0.004% |
| 92  | 12.321 | 3491 | 3493 | 3496 | rBV  | 377    | 216    | 0.02%  | 0.002% |
| 93  | 12.437 | 3526 | 3529 | 3532 | rBV2 | 330    | 253    | 0.02%  | 0.002% |
| 94  | 12.685 | 3602 | 3606 | 3612 | rVB4 | 507    | 598    | 0.05%  | 0.006% |
| 95  | 12.720 | 3612 | 3617 | 3619 | rBV2 | 452    | 390    | 0.03%  | 0.004% |
| 96  | 12.845 | 3652 | 3656 | 3660 | rBV2 | 362    | 419    | 0.04%  | 0.004% |
| 97  | 13.122 | 3740 | 3742 | 3745 | rBV2 | 265    | 214    | 0.02%  | 0.002% |
| 98  | 13.508 | 3859 | 3862 | 3865 | rVB3 | 496    | 362    | 0.03%  | 0.004% |
| 99  | 14.006 | 4012 | 4017 | 4021 | rBV3 | 754    | 894    | 0.08%  | 0.009% |
| 100 | 15.016 | 4329 | 4331 | 4336 | rBV3 | 582    | 517    | 0.05%  | 0.005% |

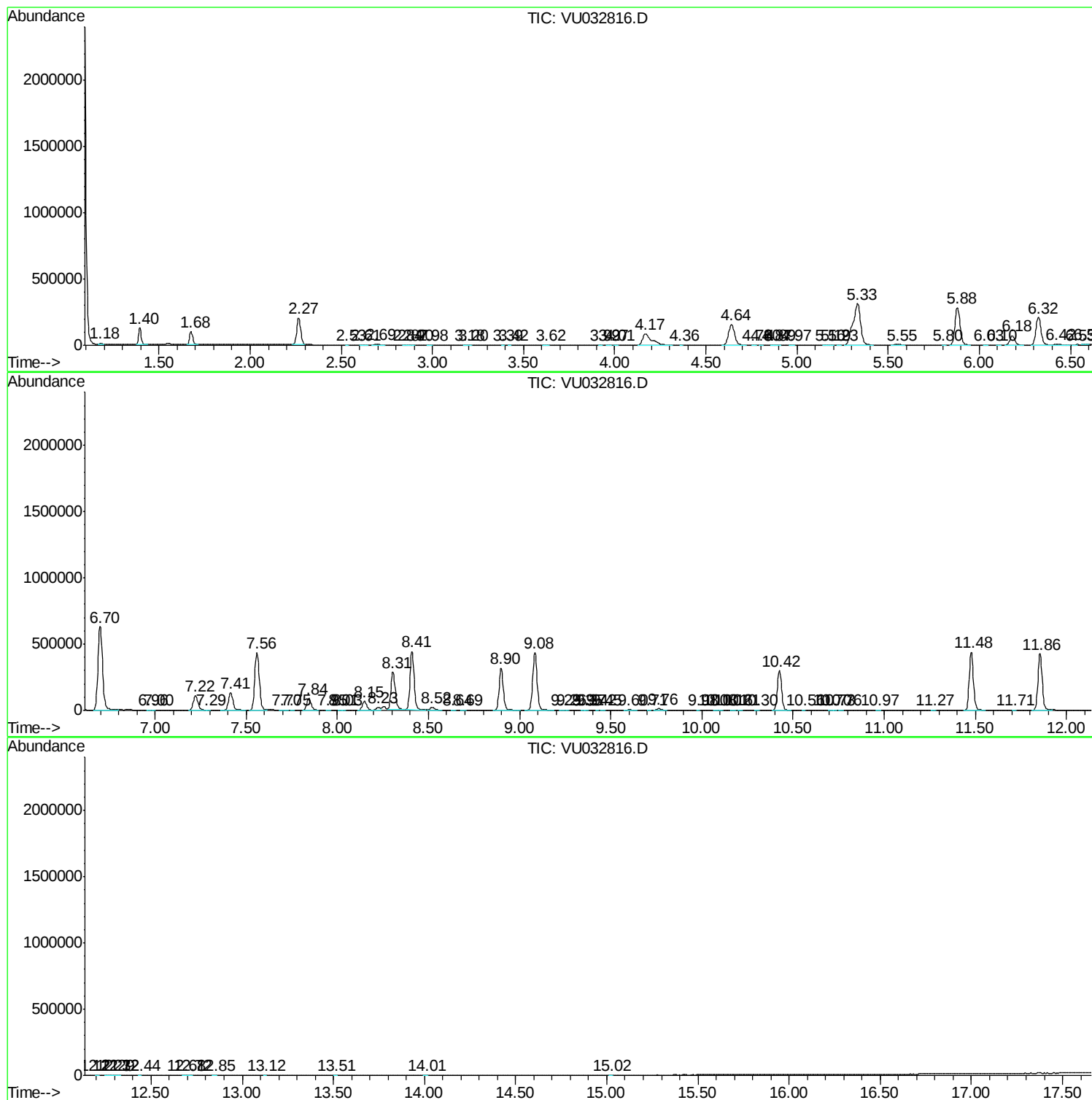
Sum of corrected areas: 10261316

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032816.D  
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ClientSampleId :  
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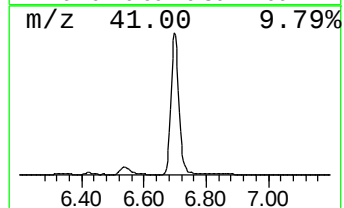
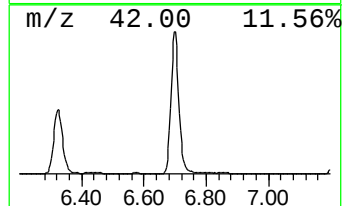
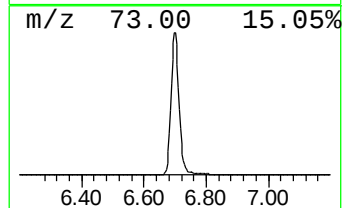
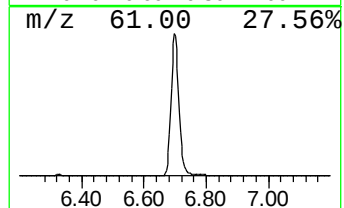
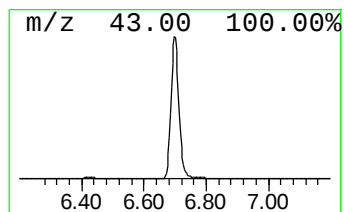
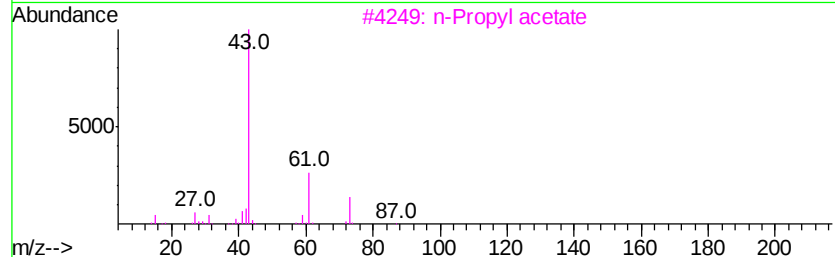
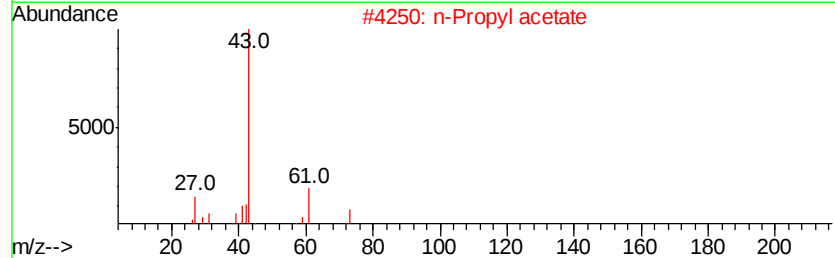
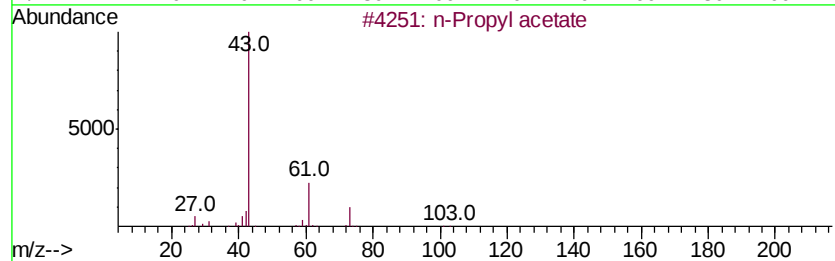
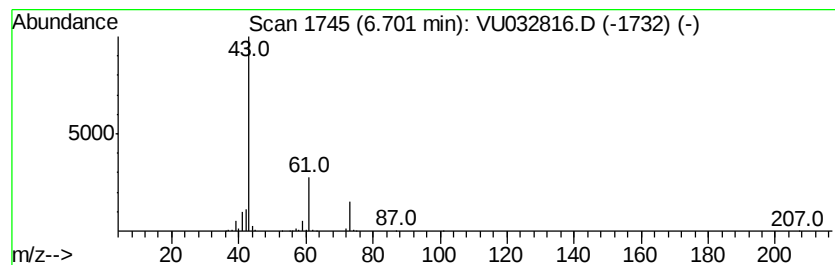
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Propyl acetate Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 6.70 | 100.51 ug/L | 1124850 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 2    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 3    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 5    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 9    |



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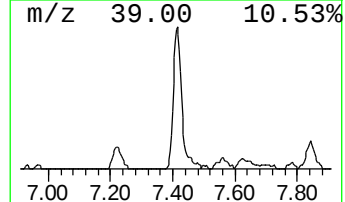
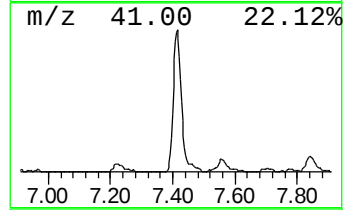
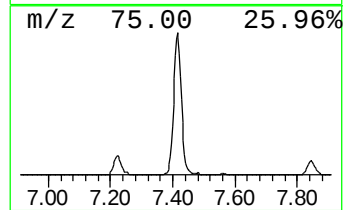
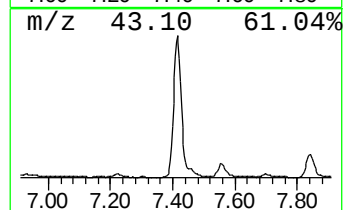
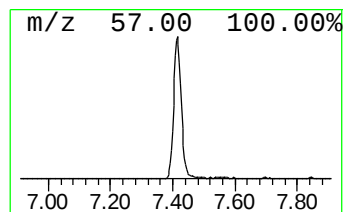
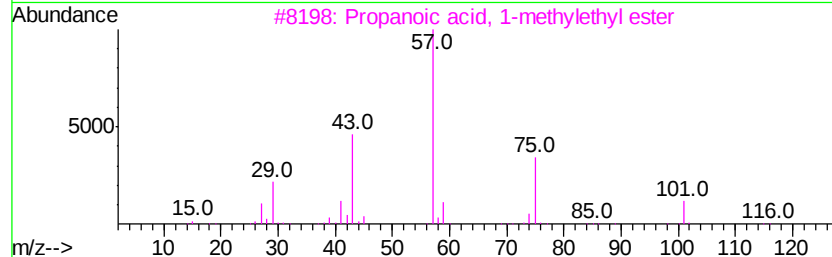
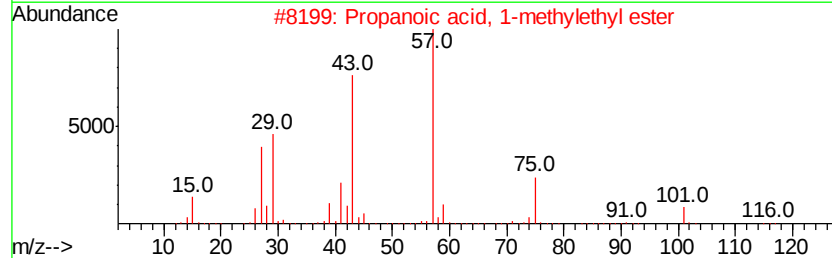
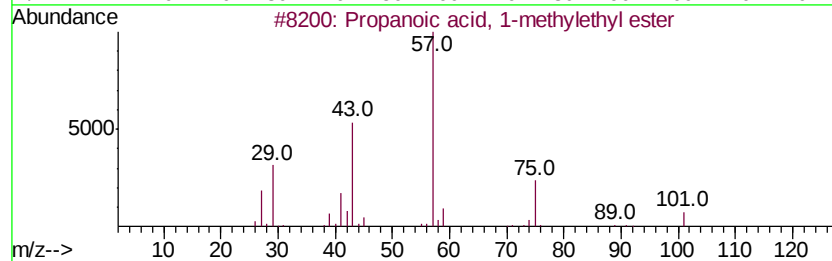
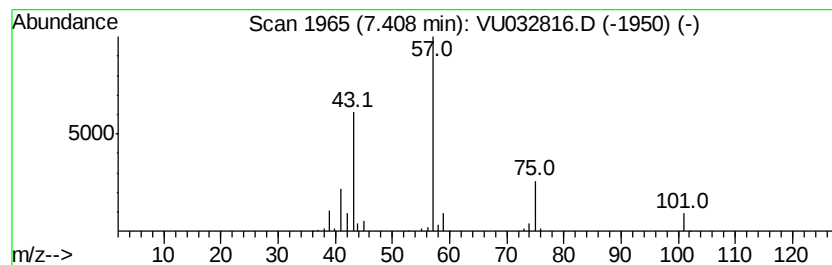
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Propanoic acid, 1-methyleth... Concentration Rank 4

| R.T.    | EstConc                             | Area         | Relative to ISTD    | R.T.        |      |      |
|---------|-------------------------------------|--------------|---------------------|-------------|------|------|
| 7.41    | 20.73 ug/L                          | 232047       | 1,4-Difluorobenzene | 5.88        |      |      |
| Hit# of | 5                                   | Tentative ID | MW                  | MolForm     | CAS# | Qual |
| 1       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 90   |      |
| 2       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 83   |      |
| 3       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 64   |      |
| 4       | Propanoic acid, propyl ester        | 116          | C6H12O2             | 000106-36-5 | 50   |      |
| 5       | Propanoic acid, 1-methylethyl ester | 116          | C6H12O2             | 000637-78-5 | 42   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032816.D  
Acq On : 18 Jun 2019 12:06  
Operator : JC/SP  
Sample : K3363-17  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JQ5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

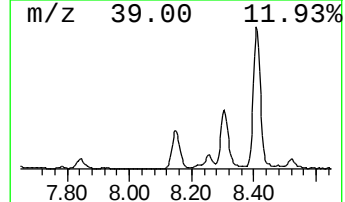
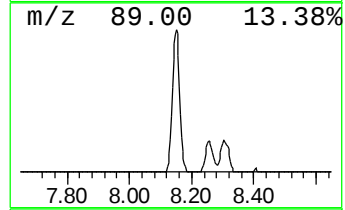
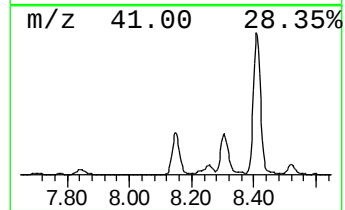
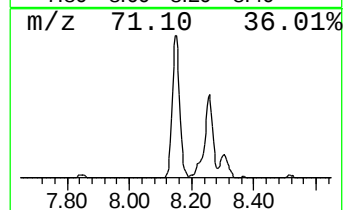
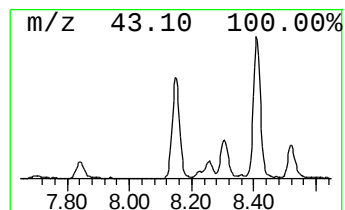
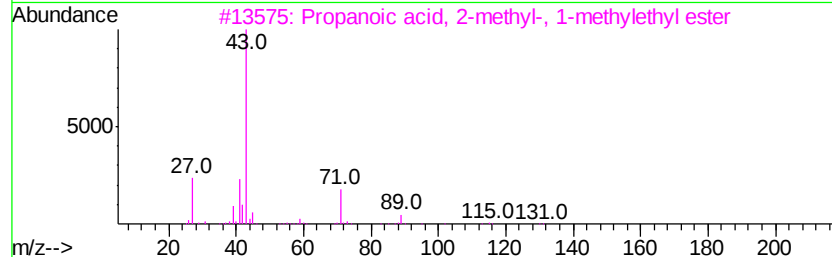
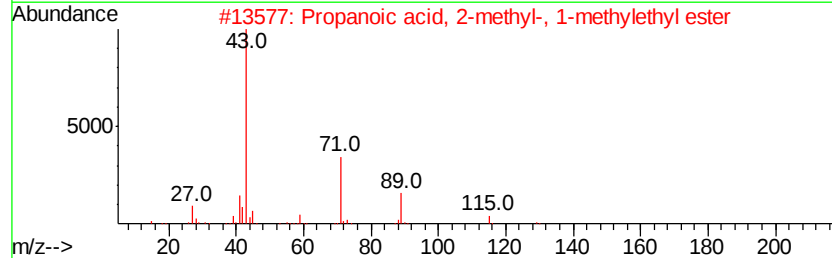
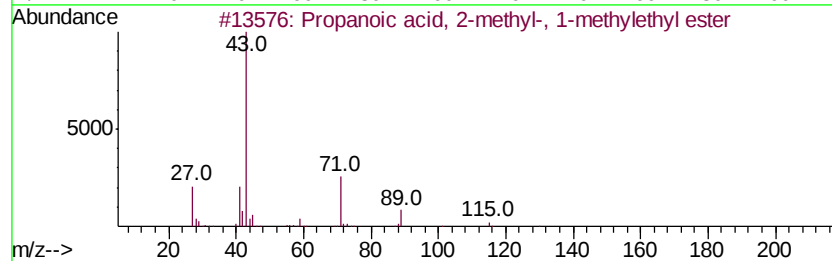
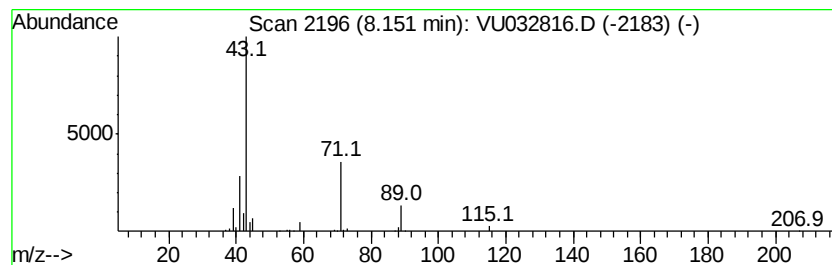
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 8.15 | 7.87 ug/L | 113732 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2  | 000617-50-5  | 83   |
| 2    |    |   | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2  | 000617-50-5  | 83   |
| 3    |    |   | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2  | 000617-50-5  | 64   |
| 4    |    |   | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2  | 000617-50-5  | 42   |
| 5    |    |   | Oxalic acid, pentyl propyl ester    | 202 | C10H18O4 | 1000309-25-7 | 42   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032816.D  
Acq On : 18 Jun 2019 12:06  
Operator : JC/SP  
Sample : K3363-17  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JQ5

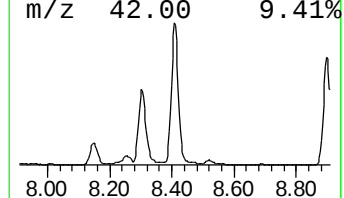
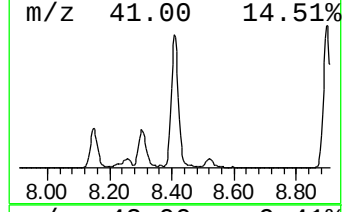
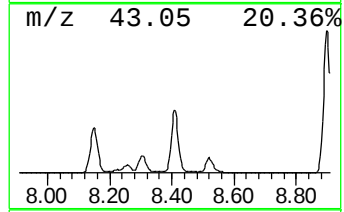
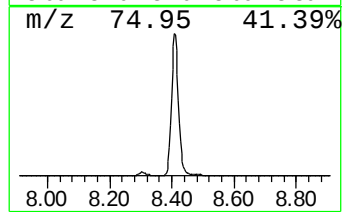
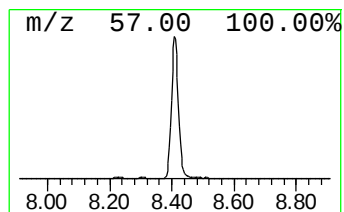
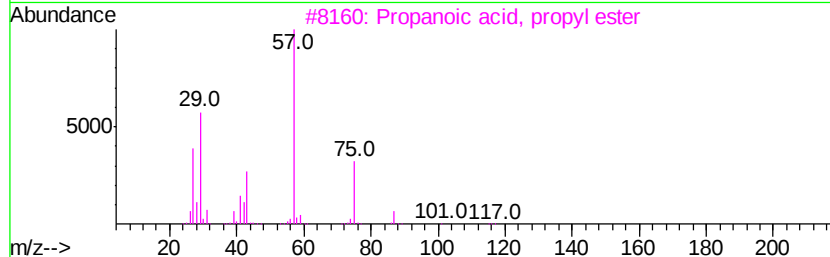
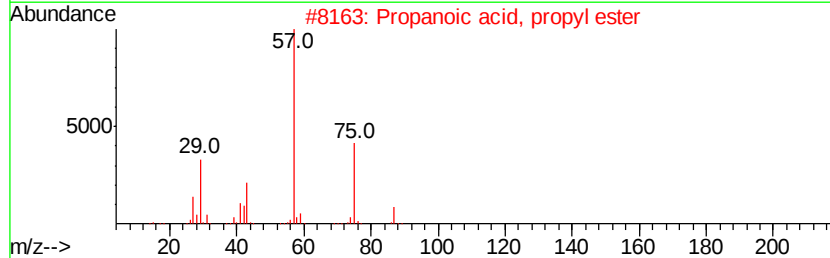
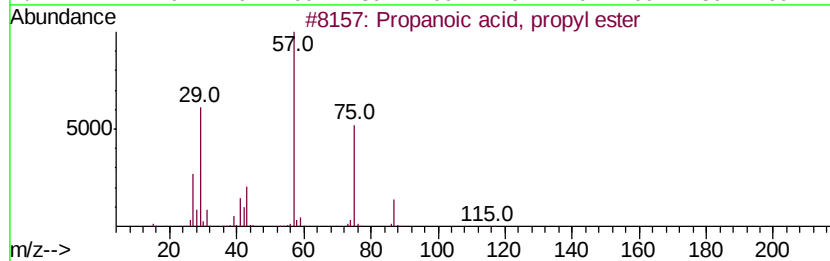
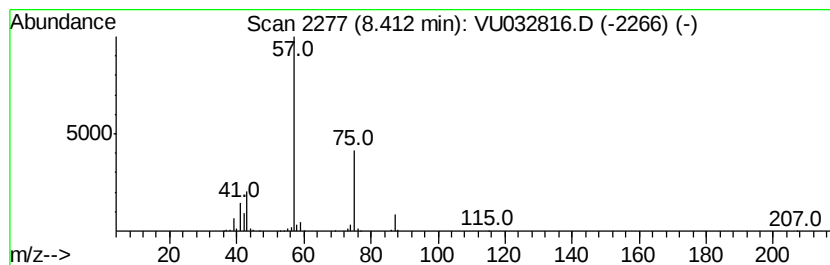
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD | R.T. |
|------|------------|--------|------------------|------|
| 8.41 | 47.91 ug/L | 692717 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 2    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 3    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 4    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 78   |
| 5    |    | Propanoic acid, butyl ester  | 130 | C7H14O2 | 000590-01-2 | 9    |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032816.D  
Acq On : 18 Jun 2019 12:06  
Operator : JC/SP  
Sample : K3363-17  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JQ5

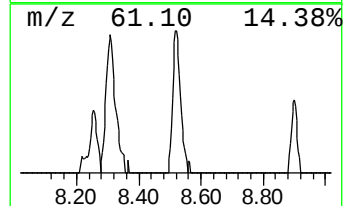
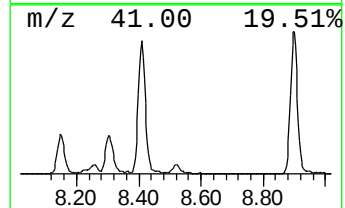
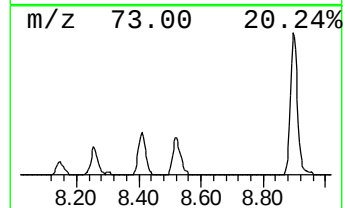
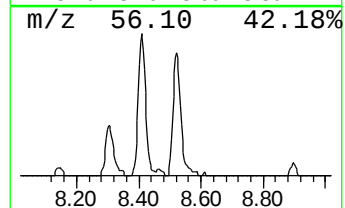
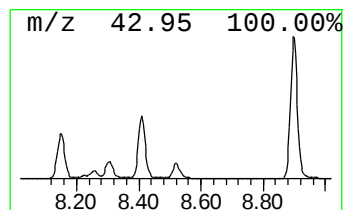
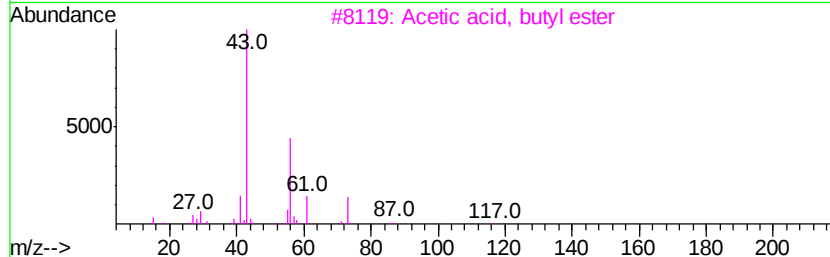
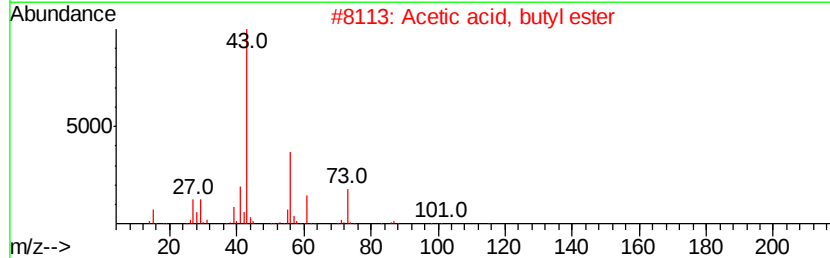
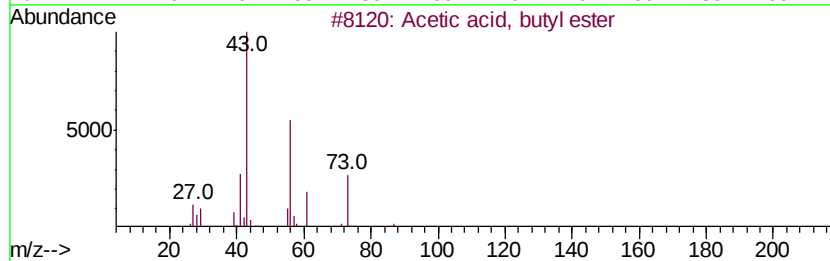
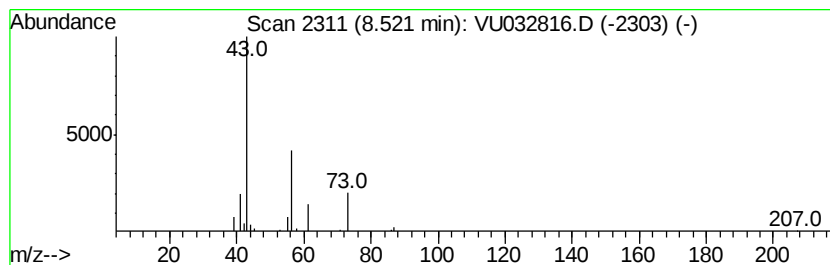
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.52 | 2.70 ug/L | 39042 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 83   |
| 2    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 83   |
| 3    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 83   |
| 4    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 72   |
| 5    |    |   | Butane, 1-propoxy-       | 116 | C7H16O  | 003073-92-5 | 25   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032816.D  
Acq On : 18 Jun 2019 12:06  
Operator : JC/SP  
Sample : K3363-17  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JQ5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

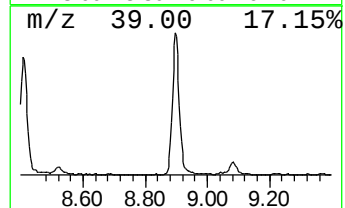
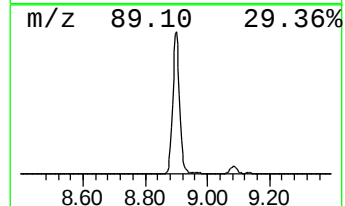
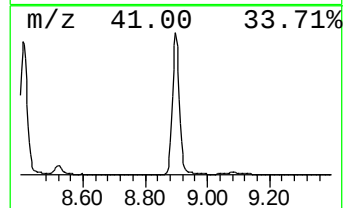
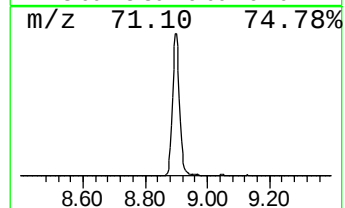
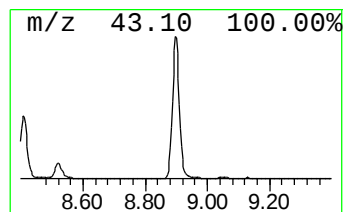
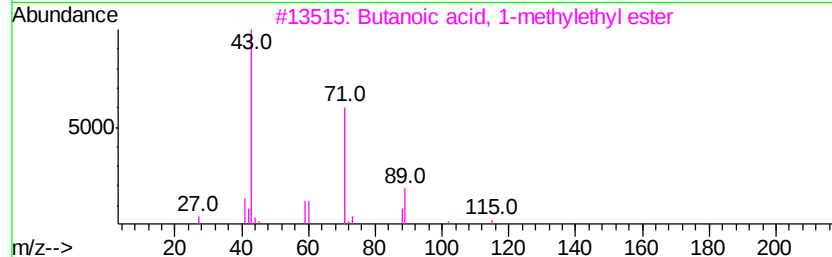
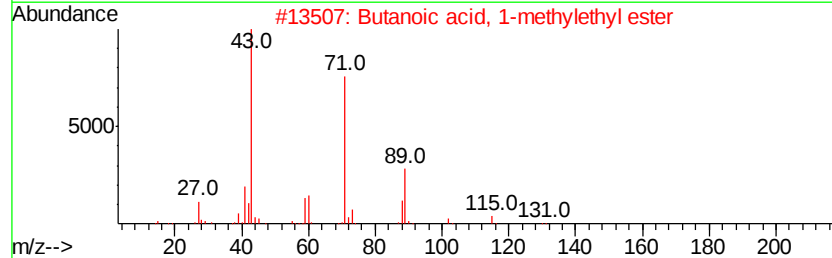
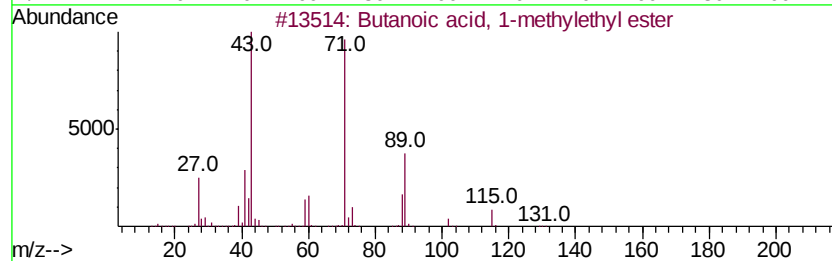
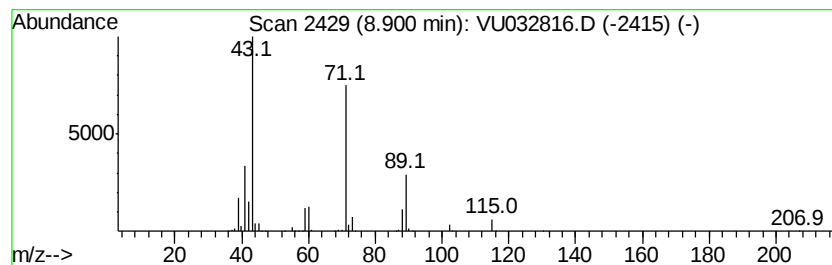
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD | R.T. |
|------|------------|--------|------------------|------|
| 8.90 | 34.69 ug/L | 501548 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 2    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 3    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 83   |
| 4    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 78   |
| 5    |    | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 72   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061819\  
Data File : VU032816.D  
Acq On : 18 Jun 2019 12:06  
Operator : JC/SP  
Sample : K3363-17  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JQ5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| n-Propyl acetate     | 6.70 | 100.5   | ug/L  | 1124850  | 1                     | 5.88 | 559560 | 50.0 |
| Propanoic acid, 1... | 7.41 | 20.7    | ug/L  | 232047   | 1                     | 5.88 | 559560 | 50.0 |
| Propanoic acid, 2... | 8.15 | 7.9     | ug/L  | 113732   | 2                     | 9.08 | 722900 | 50.0 |
| Propanoic acid, p... | 8.41 | 47.9    | ug/L  | 692717   | 2                     | 9.08 | 722900 | 50.0 |
| Acetic acid, buty... | 8.52 | 2.7     | ug/L  | 39042    | 2                     | 9.08 | 722900 | 50.0 |
| Butanoic acid, 1-... | 8.90 | 34.7    | ug/L  | 501548   | 2                     | 9.08 | 722900 | 50.0 |